Figure 1: Three-tiered architecture

## Operations (Web Service operations, database stored procedures, etc.) Shared Business Logic

Figure 2: Orders table

Orders	At the water of the Agent of the			
Custnum	Onum	OrderDate -	ShipD	de
Property of the Control of the Contr		erya kan baya Katalan i Lilik kaha Kana Cilik		
		1.0		

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Figure 3a: Application Browser Application Dictionary Explorer window

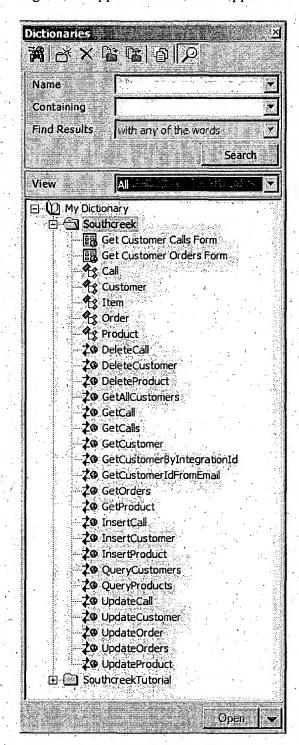


Figure 3b: Search results

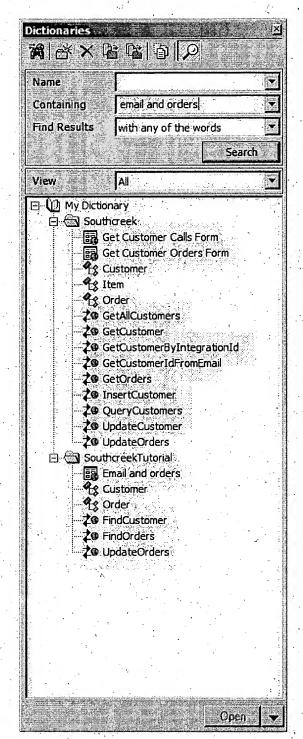
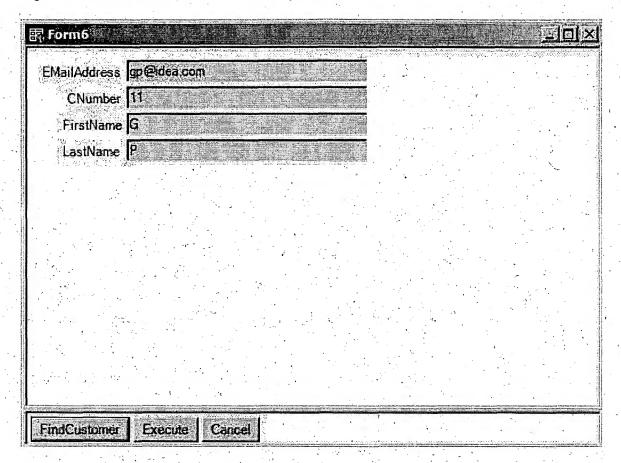


Figure 4: FindCustomer form, automatically rendered



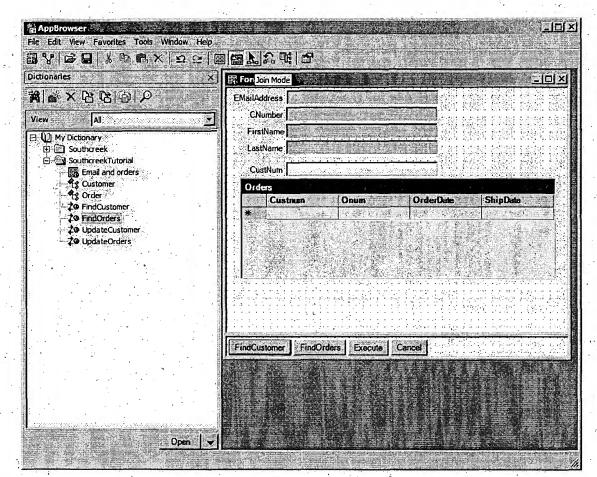


Figure 5a: FindCustomers and Find Orders operation, with Join Mode tool tip visible

EMailAddress

CNumber

FirstName

CustNum

Orders

Custnum

OrderDate

ShipDate

Cancel

Execute

Figure 5b: FindCustomer and Find Orders operations joined

FindOrders

FindCustomer

Figure 5c: Join Toolbox

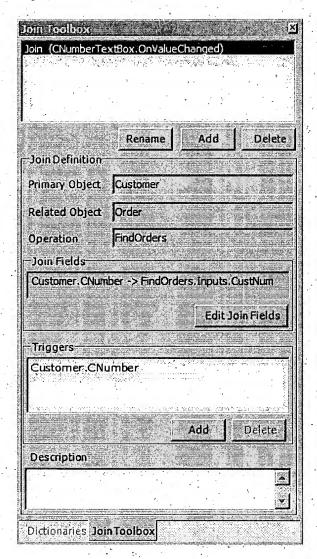


Figure 6: Form Modeler

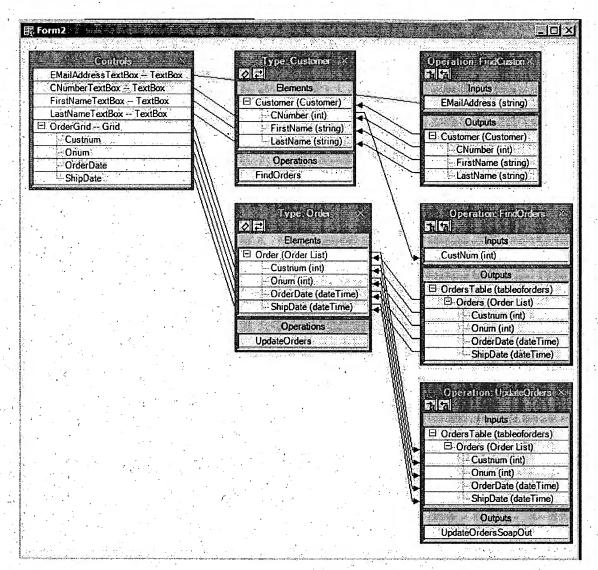


Figure 7a: Blank form, now joined

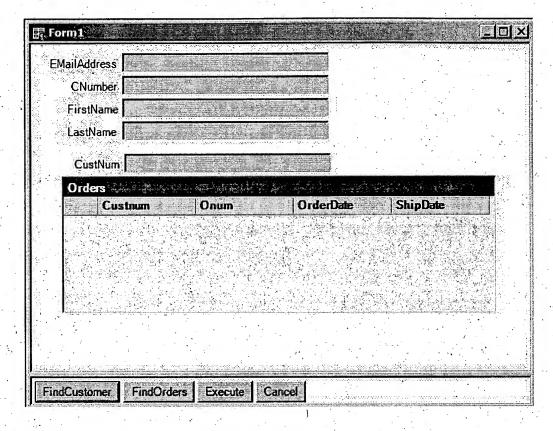


Figure 7b: Type in a value and put the cursor over the Execute button

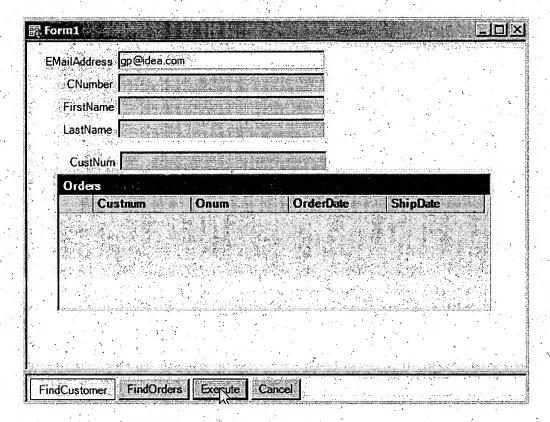
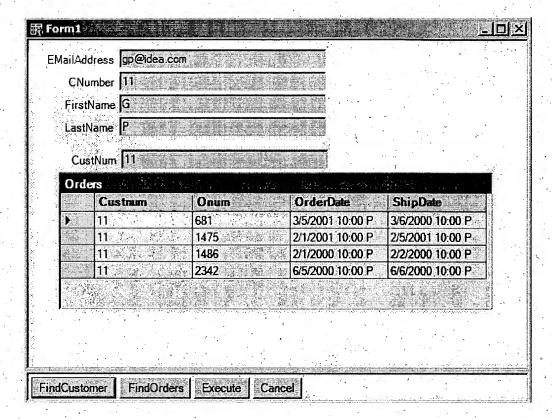


Figure 7c: Show post-Execute results



EMailAddress
CNumber
FirstName
LastName
CustNum
Ordes
Custnum
OrderDate
ShipDate

Custnum
Ordes

Custnum
OrderDate
ShipDate

Figure 8a: Return to Design mode and add the UpdateOrders operation to the form

FindCustomer

FindOrders

UpdateOrders

Execute

Cancel

Figure 8b: Merge mode, with tool tip visible

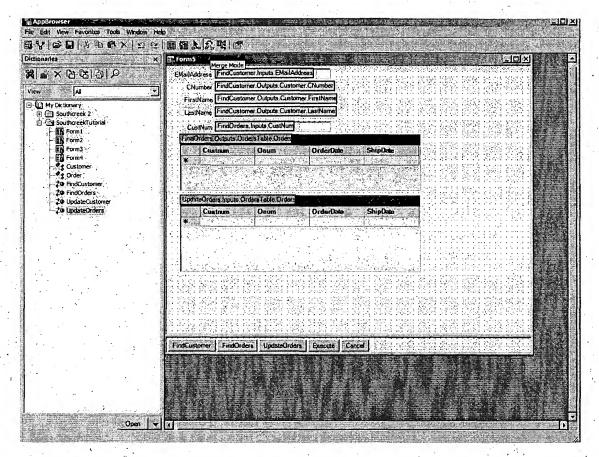


Figure 8c: Merge the Orders tables by dragging and dropping

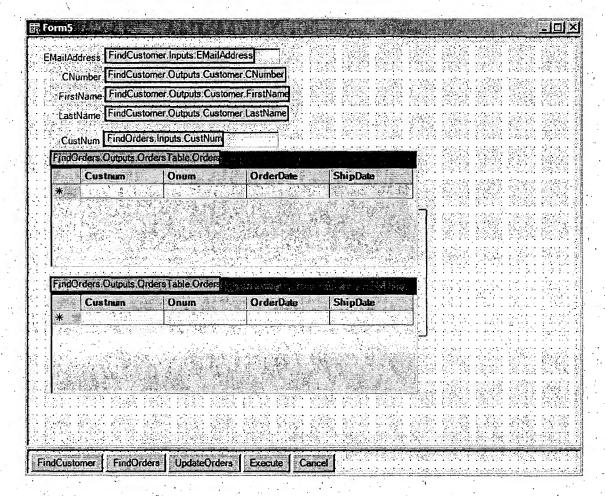


Figure 8d: The populated Order table, with merged operations

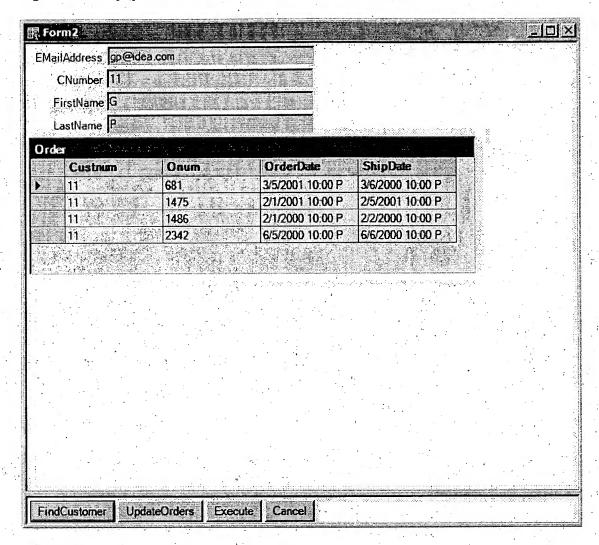


Figure 9a: Enterprise Object Type Editor, Elements tab

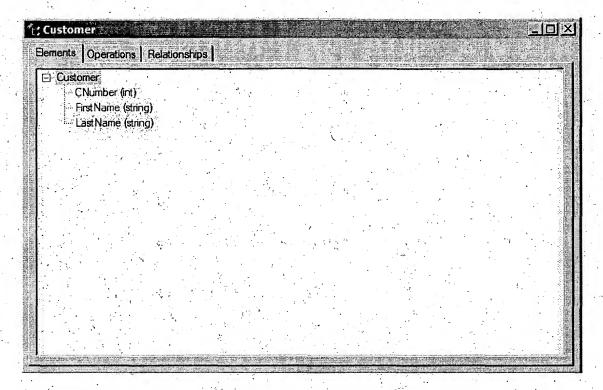


Figure 9b: Enterprise Object Type Editor, Operations tab

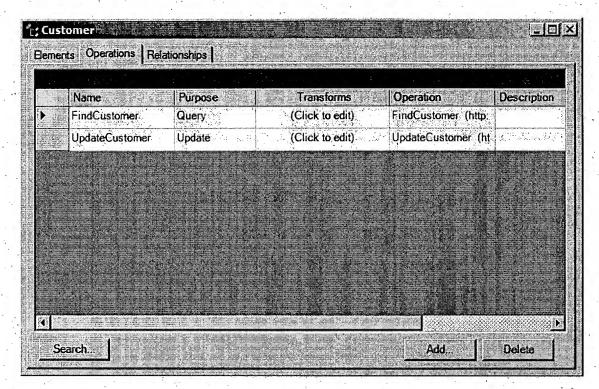


Figure 9c: Enterprise Object Type Editor, Relationships tab

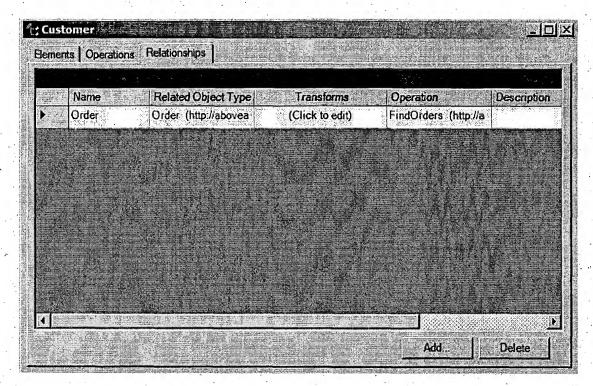


Figure 10a: Form Wizard, Step 1: Choose the Object Types to include on the form

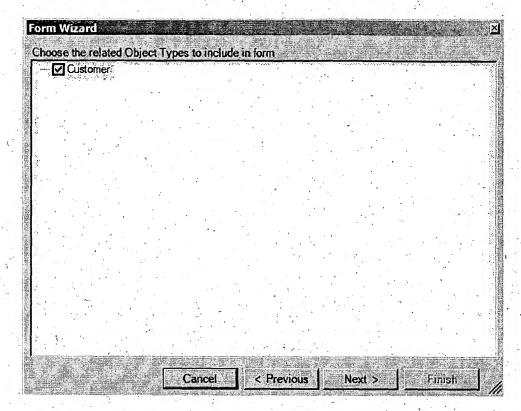


Figure 10b: Form Wizard, Step 2: Choose the operations for the form

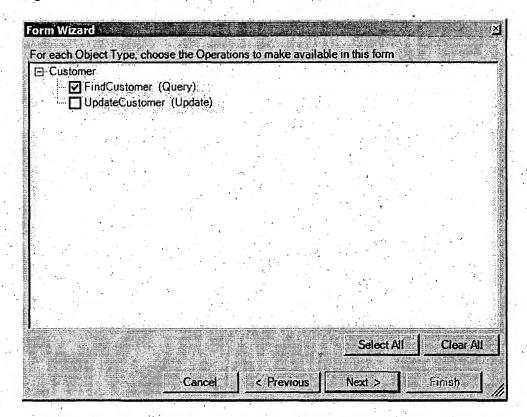
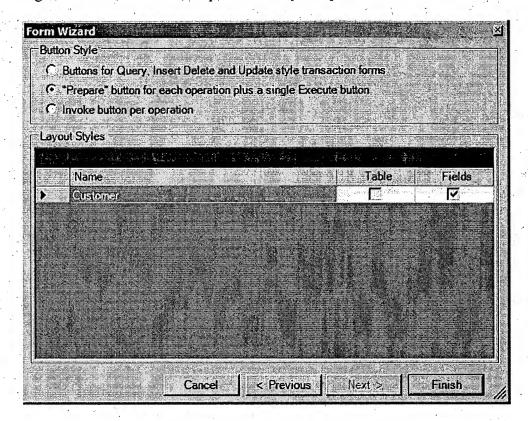


Figure 10c: Form Wizard, Step 3: Select layout options and finish the form



## 10d: Completed form results from the Form Wizard

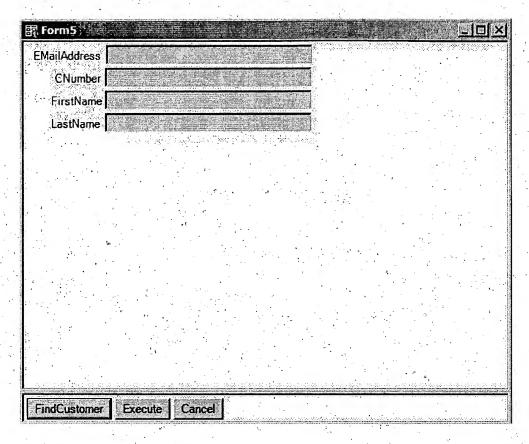


Figure 11a: Add a Relationship to an EOT

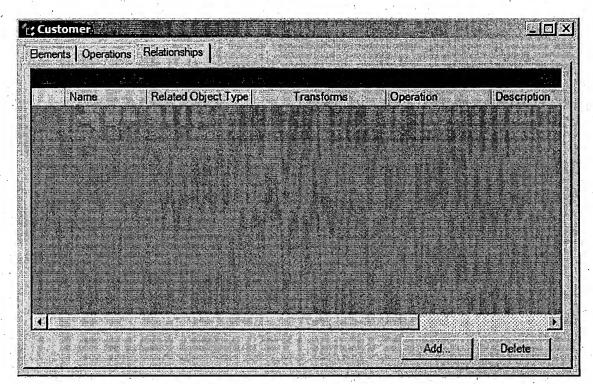


Figure 11b: Choose the EOT to relate

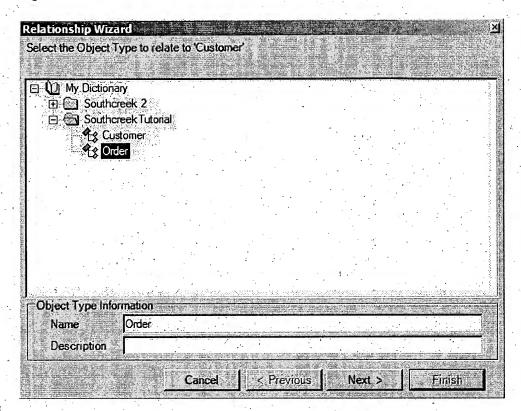


Figure 11c: Select the operation used to create the relationship

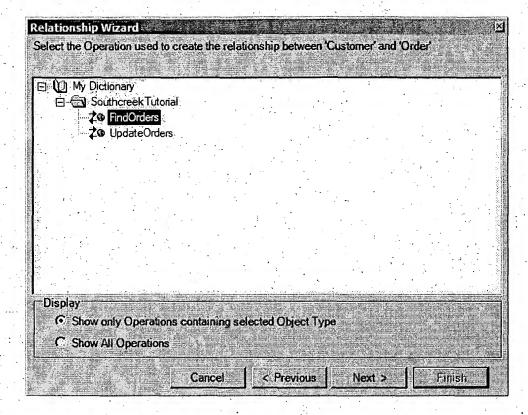
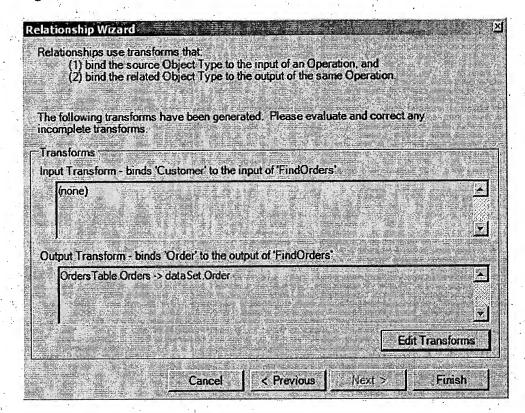


Figure 11d: Edit the Transforms



## 11e: Transforms window

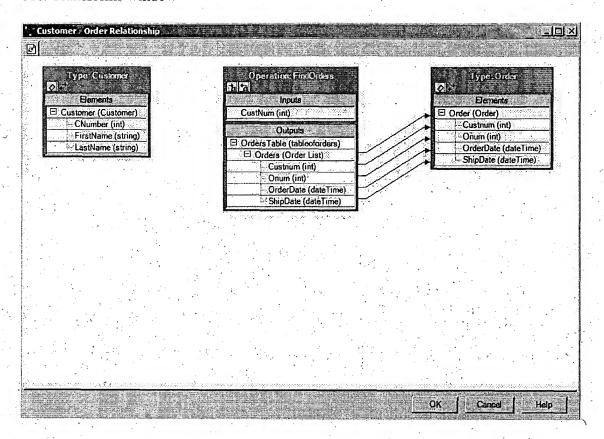


Figure 11f: Transforms completed

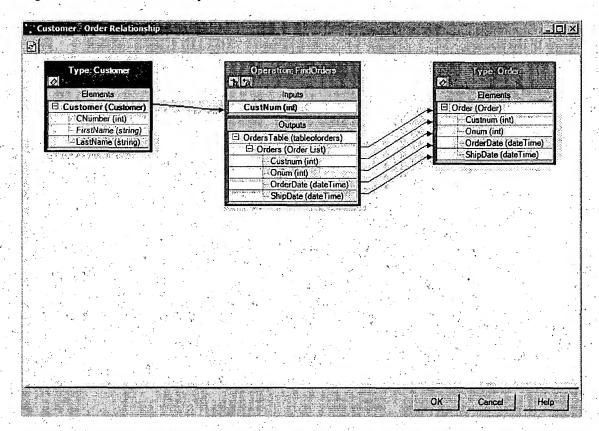


Figure 12a: Create a form with a Relationship Join Using the Form Wizard

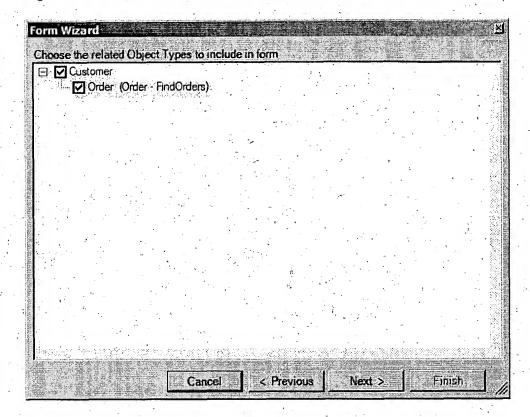


Figure 12b: Choose the operations for the form

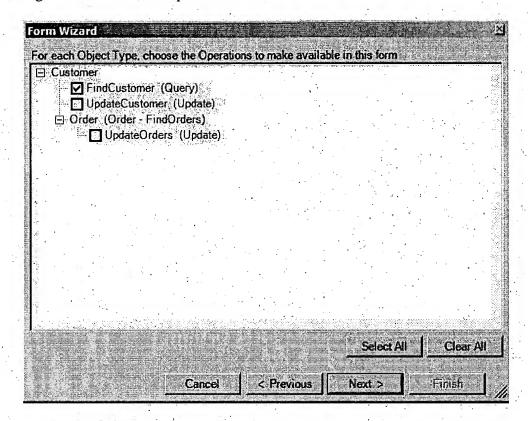


Figure 12c: Select layout options and finish the form

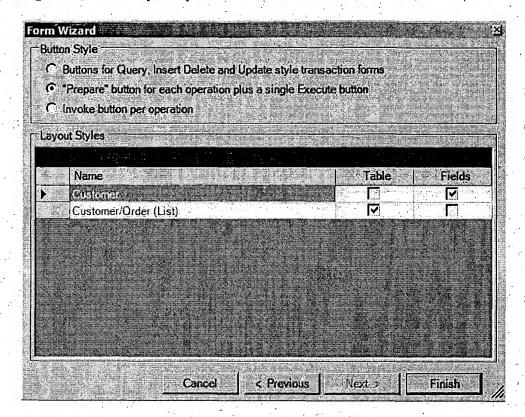


Figure 12d: Form Created with a Relationship Join using the Form Wizard

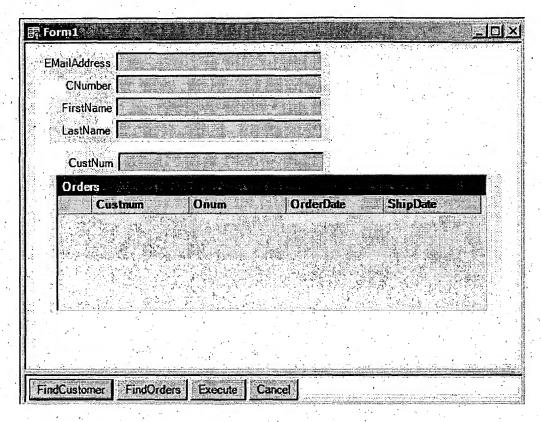


Figure 13a: Enterprise Modeler showing Customer and Order icons, without Customer expanded

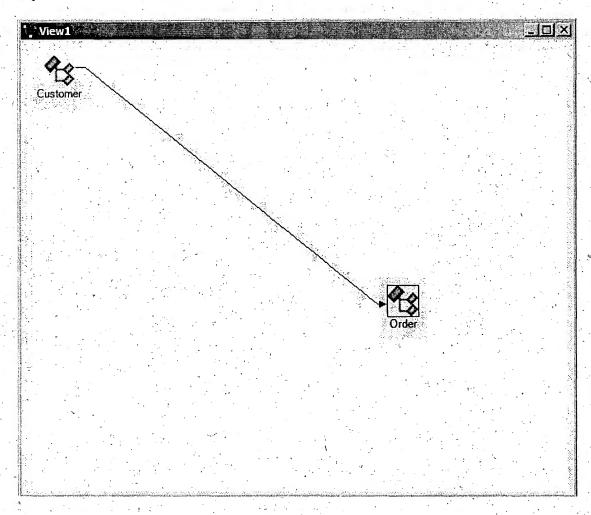


Figure 13b: Enterprise Modeler showing Customer and Order icons, with Customer expanded to show Relationships

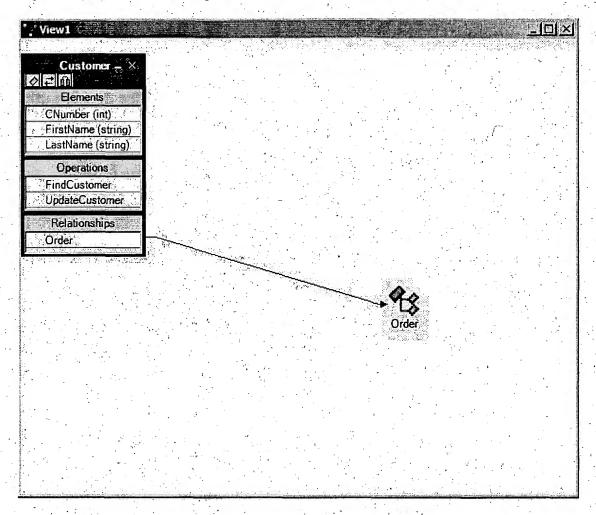


Figure 13c: Enterprise Modeler showing more complex relationships, including line labels

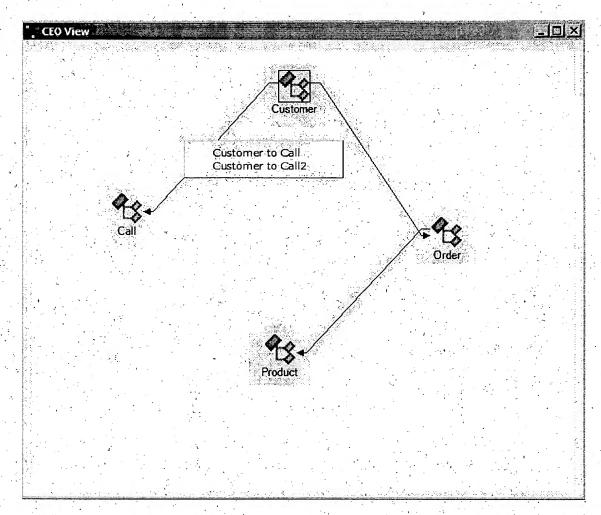


Figure 13d: Enterprise Modeler showing Customer, Call, and Order EOTs, with Customer expanded to show Relationships

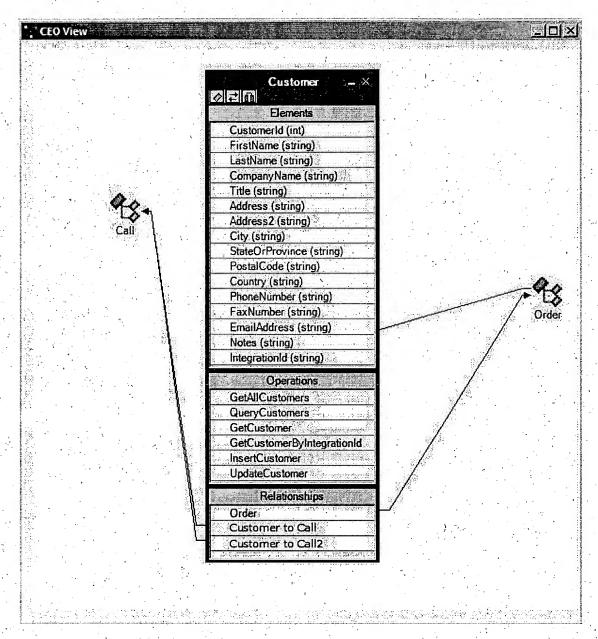


Figure 13e: Relationships panel

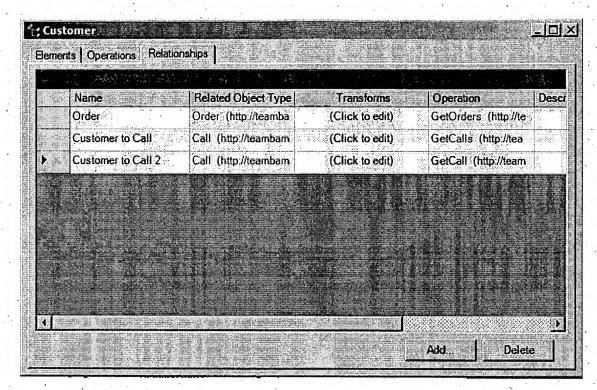


Figure 14: Schematic diagram of network

